REPLACEMENT SHEET

Sequence 1

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CTGCAGCCAG GGCTGAAAAG GAGGGATTCA GTGAGGTCAT GAAGGGAGGG GACGGCGCCT    60
GGCTCCAATT GCTCGATGGC GCCGCGATTG AGTGTCTTGG GCGCGGTCTT GGAGAGTTCG   120
GCTAGGGAGA TAAATTTGCT GGCCATGGTG GCGGCCCCTG ATGGGTTGGA TGATTTTCTG   180
CATTCTGCAT CATGAAATTC ATGAAATCAT CACTTTTCGG GGGGTGGGTG CACGGGATTG   240
AAGGTTGCTA GGAGAGTGCA TTGCTCGTAA GCCCAGGAAG CACGCGGGTT TCAGGATGGT   300
GCATGGAAAT GGCATGAGCT TTGCTGGATA TGATTAGAGA CATTAACTAT TTTGGCGGAA   360
TGGAAGCACG ATTCCTCGCC CGGTAGAGCG GTAACCGCGA CATTCAGGAC CGTAAAAAGG   420
AAAGAGCATG CAACTGACCA ACAAGAAAAT CGTCGTCACC GGAGTGTCCT CCGGTATCGG   480
TGCCGAAACT GCCCGCGTTC TGCGCTCTCA CGGCGCCACA GTGATTGGCG TAGATCGCAA   540
CATGCCGAGC CTGACTCTGG ATGCTTTCGT TCAGGCTGAC CTGAGCCATC CTGAAGGCAT   600
CGATAAGGCC ATCGGGACAG CAAGCGAACC GGAATTGCCA GCTGGGGCGC CCTCTGGTAA   660
GGTTGGGAAG CCCTGCAAAG TAAACTGGAT GGCTTTCTTG CCGCCAAGGA TCTGATGGCG   720
CAGGGGATCA AGATCTGATC AAGAGACAGG ATGAGGATCG TTTCGCATGA TTGAACAAGA   780
TGGATTGCAC GCAGGTTCTC CGGCCGCTTG GGTGGAGAGG CTATTCGGCT ATGACTGGGC   840
ACAACAGACA ATCGGCTGCT CTGATGCCGC CGTGTTCCGG CTGTCAGCGC AGGGGCGCCC   900
GGTTCTTTTT GTCAAGACCG ACCTGTCCGG TGCCCTGAAT GAACTGCAGG ACGAGGCAGC   960
GCGGCTATCG TGGCTGGCCA CGACGGGCGT TCCTTGCGCA GCTGTGCTCG ACGTTGTCAC  1020
TGAAGCGGGA AGGGACTGGC TGCTATTGGG CGAAGTGCCG GGGCAGGATC TCCTGTCATC  1080
TCACCTTGCT CCTGCCGAGA AAGTATCCAT CATGGCTGAT GCAATGCGGC GGCTGCATAC  1140
GCTTGATCCG GCTACCTGCC CATTCGACCA CCAAGCGAAA CATCGCATCG AGCGAGCACG  1200
TACTCGGATG GAAGCCGGTC TTGTCGATCA GGATGATCTG GACGAAGAGC ATCAGGGGCT  1260
CGCGCCAGCC GAACTGTTCG CCAGGCTCAA GGCGCGCATG CCCGACGGCG AGGATCTCGT  1320
CGTGACCCAT GGCGATGCCT GCTTGCCGAA TATCATGGTG GAAAATGGCC GCTTTTCTGG  1380
ATTCATCGAC TGTGGCCGGC TGGGTGTGGC GGACCGCTAT CAGGACATAG CGTTGGCTAC  1440
CCGTGATATT GCTGAAGAGC TTGGCGGCGA ATGGGCTGAC CGCTTCCTCG TGCTTTACGG  1500
TATCGCCGCT CCCGATTCGC AGCGCATCGC CTTCTATCGC CTTCTTGACG AGTTCTTCTG  1560
AGCGGGACTC TGGGGTTCGA AATGACCGAC CAAGCGACGC CCTGGCCGCG GTGATTGCAT  1620
TCATGTGTGC TGAGGAGTCA CGTTGGATCA ACGGCATAAA TATTCCAGTG GACGGAGGTT  1680
TGGCATCGAC CTACGTGTAA GTTCGTGGAC GCCCTTTGCA CGCGCACTAT ATCTCTATGC  1740
AGCAGCTGAA AGCAGCTTTG GTTTTGATCG GAGGTAGCGG GCGGAAAGGT GCAGAATGTC  1800
TAAATAATAA AGGATTCTTG TGAAGCTTTA GTTGTCCGTA AACGAAAATA AAAATAAAGA  1860
GGAATGATAT GAAAGCAAGT AGATCAGTCT GCACTTTCAA AATAGCTACC CTGGCAGGCG  1920
CCATTTATGC AGCGCTGCCA ATGTCAGCTG CAAACTCGAT GCAGCTGGAT GTAGGTAGCT  1980
CGGATTGGAC GGTGCGTTGG GGACAACACC CTCAAGTATA GCCTTGCCTC TCGCCTGAAT  2040
GAGCAAGACT CAAGTCTGAC AAATGCGCCG ACTGTCAATG GTTATATCCG GATATTCAAA  2100
GTCAGGGTGA TCGTAACTTT GACCGGGGGC TTGGTATCCA ATCGTCTCGA TATTCTGGCT  2160
GCAG                                                               2164
```

Figure 2a

REPLACEMENT SHEET

Sequence 2

```
CTGCAGCCAG GGCTGAAAAG GAGGGATTCA GTGAGGTCAT GAAGGGAGGG GACGGCGCCT    60
GGCTCCAATT GCTCGATGGC GCCGCGATTG AGTGTCTTGG GCGCGGTCTT GGAGAGTTCG   120
GCTAGGGAGA TAAATTTGCT GGCCATGGTG GCGGCCCCTG ATGGGTTGGA TGATTTTCTG   180
CATTCTGCAT CATGAAATTC ATGAAATCAT CACTTTTCGG GGGGTGGGTG CACGGGATTG   240
AAGGTTGCTA GGAGAGTGCA TTGCTCGTAA GCCCAGGAAG CACGCGGGTT TCAGGATGGT   300
GCATGGAAAT GGCATGAGCT TTGCTGGATA TGATTAGAGA CATTAACTAT TTTGGCGGAA   360
TGGAAGCACG ATTCCTCGCC CGGTAGAGCG GTAACCGCGA CATTCAGGAC CGTAAAAAGG   420
AAAGAGCATG CAACTGACCA ACAAGAAAAT CGTCGTCACC GGAGTGTCCT CCGGTATCGG   480
TGCCGAAACT GCCCGCGTTC TGCGCTCTCA CGGCGCCACA GTGATTGGCG TAGATCGCAA   540
CATGCCGAGC CTGACTCTGG ATGCTTTCGT TCAGGCTGAC CTGAGCCATC CTGAGGGGAG   600
AGGCGGTTTG CGTATTGGGC GCATGCATAA AAACTGTTGT AATTCATTAA GCATTCTGCC   660
GACATGGAAG CCATCACAAA CGGCATGATG AACCTGAATC GCCAGCGGCA TCAGCACCTT   720
GTCGCCTTGC GTATAATATT TGCCCATGGA CGCACACCGT GGAAACGGAT GAAGGCACGA   780
ACCCAGTTGA CATAAGCCTG TTCGGTTCGT AAACTGTAAT GCAAGTAGCG TATGCGCTCA   840
CGCAACTGGT CCAGAACCTT GACCGAACGC AGCGGTGGTA ACGGCGCAGT GGCGGTTTTC   900
ATGGCTTGTT ATGACTGTTT TTTTGTACAG TCTATGCCTC GGGCATCCAA GCAGCAAGCG   960
CGTTACGCCG TGGGTCGATG TTTGATGTTA TGGAGCAGCA ACGATGTTAC GCAGCAGCAA  1020
CGATGTTACG CAGCAGGGCA GTCGCCCTAA AACAAAGTTA GGTGGCTCAA GTATGGGCAT  1080
CATTCGCACA TGTAGGCTCG GCCCTGACCA AGTCAAATCC ATGCGGGCTG CTCTTGATCT  1140
TTTCGGTCGT GAGTTCGGAG ACGTAGCCAC CTACTCCCAA CATCAGCCGG ACTCCGATTA  1200
CCTCGGGAAC TTGCTCCGTA GTAAGACATT CATCGCGCTT GCTGCCTTCG ACCAAGAAGC  1260
GGTTGTTGGC GCTCTCGCGG CTTACGTTCT GCCCAGGTTT GAGCAGCCGC GTAGTGAGAT  1320
CTATATCTAT GATCTCGCAG TCTCCGGCGA GCACCGGAGG CAGGGCATTG CCACCGCGCT  1380
CATCAATCTC CTCAAGCATG AGGCCAACGC GCTTGGTGCT TATGTGATCT ACGTGCAAGC  1440
AGATTACGGT GACGATCCCG CAGTGGCTCT CTATACAAAG TTGGGCATAC GGGAAGAAGT  1500
GATGCACTTT GATATCGACC CAAGTACCGC CACCTAACAA TTCGTTCAAG CCGAGATCGG  1560
CTTCCCTGAT TGCATTCATG TGTGCTGAGG AGTCACGTTG GATCAACGGC ATAAATATTC  1620
CAGTGGACGG AGGTTTGGCA TCGACCTACG TGTAAGTTCG TGGACGCCCT TTGCACGCGC  1680
ACTATATCTC TATGCAGCAG CTGAAAGCAG CTTTGGTTTT GATCGGAGGT AGCGGGCGGA  1740
AAGGTGCAGA ATGTCTAAAT AATAAAGGAT TCTTGTGAAG CTTTAGTTGT CCGTAAACGA  1800
AAATAAAAAT AAAGAGGAAT GATATGAAAG CAAGTAGATC AGTCTGCACT TTCAAAATAG  1860
CTACCCTGGC AGGCGCCATT TATGCAGCGC TGCCAATGTC AGCTGCAAAC TCGATGCAGC  1920
TGGATGTAGG TAGCTCGGAT TGGACGGTGC GTTGGGGACA ACACCCTCAA GTATAGCCTT  1980
GCCTCTCGCC TGAATGAGCA AGACTCAAGT CTGACAAATG CGCCGACTGT CAATGGTTAT  2040
ATCCGGATAT TCAAAGTCAG GGTGATCGTA ACTTTGACCG GGGGCTTGGT ATCCAATCGT  2100
CTCGATATTC TGGCTGCAG                                               2119
```

Figure 2b

REPLACEMENT SHEET

Sequence 3

```
CTGCAGCCAG GGCTGAAAAG GAGGGATTCA GTGAGGTCAT GAAGGGAGGG GACGGCGCCT    60
GGCTCCAATT GCTCGATGGC GCCGCGATTG AGTGTCTTGG GCGCGGTCTT GGAGAGTTCG   120
GCTAGGGAGA TAAATTTGCT GGCCATGGTG GCGGCCCCTG ATGGGTTGGA TGATTTTCTG   180
CATTCTGCAT CATGAAATTC ATGAAATCAT CACTTTTCGG GGGGTGGGTG CACGGGATTG   240
AAGGTTGCTA GGAGAGTGCA TTGCTCGTAA GCCCAGGAAG CACGCGGGTT TCAGGATGGT   300
GCATGGAAAT GGCATGAGCT TTGCTGGATA TGATTAGAGA CATTAACTAT TTTGGCGGAA   360
TGGAAGCACG ATTCCTCGCC CGGTAGAGCG GTAACCGCGA CATTCAGGAC CGTAAAAAGG   420
AAAGAGCATG CAACTGACCA ACAAGAAAAT CGTCGTCACC GGAGTGTCCT CCGGTATCGG   480
TGCCGAAACT GCCCGCGTTC TGCGCTCTCA CGGCGCCACA GTGATTGGCG TAGATCGCAA   540
CATGCCGAGC CTGACTCTGG ATGCTTTCGT TCAGGCTGAC CTGAGCCATC CTGAAGGCAT   600
CGATCAACGG CATAAATATT CCAGTGGACG GAGGTTTGGC ATCGACCTAC GTGTAAGTTC   660
GTGGACGCCC TTTGCACGCG CACTATATCT CTATGCAGCA GCTGAAAGCA GCTTTGGTTT   720
TGATCGGAGG TAGCGGGCGG AAAGGTGCAG AATGTCTAAA TAATAAAGGA TTCTTGTGAA   780
GCTTTAGTTG TCCGTAAACG AAAATAAAAA TAAAGAGGAA TGATATGAAA GCAAGTAGAT   840
CAGTCTGCAC TTTCAAAATA GCTACCCTGG CAGGCGCCAT TTATGCAGCG CTGCCAATGT   900
CAGCTGCAAA CTCGATGCAG CTGGATGTAG GTAGCTCGGA TTGGACGGTG CGTTGGGGAC   960
AACACCCTCA AGTATAGCCT TGCCTCTCGC CTGAATGAGC AAGACTCAAG TCTGACAAAT  1020
GCGCCGACTG TCAATGGTTA TATCCGGATA TTCAAAGTCA GGGTGATCGT AACTTTGACC  1080
GGGGGCTTGG TATCCAATCG TCTCGATATT CTGGCTGCAG                        1120
```

Figure 2c

REPLACEMENT SHEET

Sequence 4

```
GAATTCCGCG TATCGCCCGG TTCTATCAGC GGGCCGCTTT CGAAAGTCAT GGTGTTAGCC    60
GGTAGGGTCT TTTTCTTGGC CATGCTTGTT GCCTGAACCT TCGTTGACAT AGGGCAGAGG   120
TGCGTTTGCC GCTTCGCTTC GCGATGAACC GCATCGAGAT GCTGAGGTCA GGATTTTTCC   180
TTAACTCGCG TAAGCATTCT GTCATTTTTT TGGTGGCTTT GAACAGCCTG ATGAAAGGTG   240
GTCTCGCCCT TTGAGGCCGA TTCTTGGGCG CTTGGCGGCG TCGAAGCGAT GCTCCACTAC   300
CGATTAAGAT AATTAAAATA AGGAAACCGC ATGGTTTCTT ATGTGAATTT GTCTGGCATA   360
CTCCAGCTCA AGGGCAATTT TTGGGCTATT GGCTGAGCAG TTGCCTCTAT ATGGTTATTC   420
AGAATAACAA TTGACTCCTC AGGAGGTCAG CGATGAGCAT TCTTGGTTTG AATGGTGCCC   480
CGGTCGGAGC TGAGCAGCTG GGCTCGGCTC TTGATCGCAT GAAGAAGGCG CACCTGGAGC   540
AGGGGCCTGC AAACTTGGAG CTGCGTCTGA GTAGGCTGGA TCGTGCGATT GCAATGCTTC   600
TGGAAAATCG TGAAGCAATT GCCGACGCGG TTTCTGCTGA CTTTGGCAAT CGCAGCCGTG   660
AGCAAACACT GCTTTGCGAC ATTGCTGGCT CGGTGGCAAG CCTGAAGGAT AGCCGCGAGC   720
ACGTGGCCAA ATGGATGGAG CCCGAACATC ACAAGGCGAT GTTTCCAGGG GCGGAGGCAC   780
GCGTTGAGTT TCAGCCGCTG GGTGTCGTTG GGGTCATTAG TCCCTGGAAC TTCCCTATCG   840
TACTGGCCTT TGGGCCGCTG GCCGGCATAT TCGCAGCAGG TAATCGCGCC ATGCTCAAGC   900
CGTCCGAGCT TACCCCGCGG ACTTCTGCCC TGCTTGCGGA GCTAATTGCT CGTTACTTCG   960
ATGAAACTGA GCTGACTACA GTGCTGGGCG ACGCTGAAGT CGGTGCGCTG TTCAGTGCTC  1020
AGCCTTTCGA TCATCTGATC TTCACCGGCG GCACTGCCGT GGCCAAGCAC ATCATGCGTG  1080
CCGCGGCGGA TAACCTAGTG CCCGTTACCC TGGAATTGGG TGGCAAATCG CCGGTGATCG  1140
TTTCCCGCAG TGCAGATATG GCGGACGTTG CACAACGGGT GTTGACGGTG AAAACCTTCA  1200
ATGCCGGGCA AATCTGTCTG GCACCGGACT ATGTGCTGCT GCCGGAAGGG ACAGCAAGCG  1260
AACCGGAATT GCCAGCTGGG GCGCCCTCTG GTAAGGTTGG GAAGCCCTGC AAAGTAAACT  1320
GGATGGCTTT CTTGCCGCCA AGGATCTGAT GGCGCAGGGG ATCAAGATCT GATCAAGAGA  1380
CAGGATGAGG ATCGTTTCGC ATGATTGAAC AAGATGGATT GCACGCAGGT TCTCCGGCCG  1440
CTTGGGTGGA GAGGCTATTC GGCTATGACT GGGCACAACA GACAATCGGC TGCTCTGATG  1500
CCGCCGTGTT CCGGCTGTCA GCGCAGGGGC GCCCGGTTCT TTTTGTCAAG ACCGACCTGT  1560
CCGGTGCCCT GAATGAACTG CAGGACGAGG CAGCGCGGCT ATCGTGGCTG GCCACGACGG  1620
GCGTTCCTTG CGCAGCTGTG CTCGACGTTG TCACTGAAGC GGGAAGGGAC TGGCTGCTAT  1680
TGGGCGAAGT GCCGGGGCAG GATCTCCTGT CATCTCACCT TGCTCCTGCC GAGAAAGTAT  1740
CCATCATGGC TGATGCAATG CGGCGGCTGC ATACGCTTGA TCCGGCTACC TGCCCATTCG  1800
ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAGCC GGTCTTGTCG  1860
ATCAGGATGA TCTGGACGAA GAGCATCAGG GGCTCGCGCC AGCCGAACTG TTCGCCAGGC  1920
TCAAGGCGCG CATGCCCGAC GGCGAGGATC TCGTCGTGAC CCATGGCGAT GCCTGCTTGC  1980
CGAATATCAT GGTGGAAAAT GGCCGCTTTT CTGGATTCAT CGACTGTGGC CGGCTGGGTG  2040
TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCCGTGA TATTGCTGAA GAGCTTGGCG  2100
GCGAATGGGC TGACCGCTTC CTCGTGCTTT ACGGTATCGC CGCTCCCGAT TCGCAGCGCA  2160
```

Figure 2d

REPLACEMENT SHEET

```
TCGCCTTCTA TCGCCTTCTT GACGAGTTCT TCTGAGCGGG ACTCTGGGGT TCGAAATGAC  2220
CGACCAAGCG ACGCCCGCCA TGCCAAGCCT GTTCTCGTGC AAAGTCCTGT GGGTGAGTCG  2280
AACTTGGCGA TGCGCGCACC CTACGGAGAA GCGATCCACG GACTGCTCTC TGTCCTCCTT  2340
TCAACGGAGT GTTAGAACCG TTGGTAGTGG TTTTGGACGG GCCCAGGAGC ATGCGCTTCT  2400
GGGCCCGTTT CTTGAGTATT CATTGGATAG TCACGCGTGG TAGCTTCGAG CCTGCACAGC  2460
TGATGAGCAC CCTGGAAGGC GCGCTGTACG CGGACGACTG GGTTCATCTT CGCCATTCAT  2520
GACGGAACTC CGTTCCCCAG TACCGCGATG ACTATTTTGC CTCTTCCGAT GTCCGATTCC  2580
ACGCCGCCTG ACGCTAAGCG GGGGCGGGGG CGCCCGCATC CCAGCCCAGA CAGCAACAAA  2640
TGAGTAGGCT CTTGGATGCC GCGGCGGCTG AGATTGGTAA CGGCAATTTC GTCAATGTGA  2700
CGATGGATTC GATTGCCCGT GCTGCCGGCG TCTCAAAAAA AACGCTGTAC GTCTTGGTGG  2760
CGAGCAAGGA AGAACTCATT TCCCGGTTAG TGGCTCGAGA CATGTCCAAC CTTGAGGAAT  2820
TC                                                                 2822
```

REPLACEMENT SHEET

Sequence 5

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GAATTCCGCG TATCGCCCGG TTCTATCAGC GGGCCGCTTT CGAAAGTCAT GGTGTTAGCC    60
GGTAGGGTCT TTTTCTTGGC CATGCTTGTT GCCTGAACCT TCGTTGACAT AGGGCAGAGG   120
TGCGTTTGCC GCTTCGCTTC GCGATGAACC GCATCGAGAT GCTGAGGTCA GGATTTTTCC   180
TTAACTCGCG TAAGCATTCT GTCATTTTTT TGGTGGCTTT GAACAGCCTG ATGAAAGGTG   240
GTCTCGCCCT TTGAGGCCGA TTCTTGGGCG CTTGGCGGCG TCGAAGCGAT GCTCCACTAC   300
CGATTAAGAT AATTAAAATA AGGAAACCGC ATGGTTTCTT ATGTGAATTT GTCTGGCATA   360
CTCCAGCTCA AGGGCAATTT TTGGGCTATT GGCTGAGCAG TTGCCTCTAT ATGGTTATTC   420
AGAATAACAA TTGACTCCTC AGGAGGTCAG CGATGAGCAT TCTTGGTTTG AATGGTGCCC   480
CGGTCGGAGC TGAGCAGCTG GGCTCGGCTC TTGATCGCAT GAAGAAGGCG CACCTGGAGC   540
AGGGGCCTGC AAACTTGGAG CTGCGTCTGA GTAGGCTGGA TCGTGCGATT GCAATGCTTC   600
TGGAAAATCG TGAAGCAATT GCCGACGCGG TTTCTGCTGA CTTTGGCAAT CGCAGCCGTG   660
AGCAAACACT GCTTTGCGAC ATTGCTGGCT CGGTGGCAAG CCTGAAGGAT AGCCGCGAGC   720
ACGTGGCCAA ATGGATGGAG CCCGAACATC ACAAGGCGAT GTTTCCAGGG GCGGAGGCAC   780
GCGTTGAGTT TCAGCCGCTG GGTGTCGTTG GGGTCATTAG TCCCTGGAAC TTCCCTATCG   840
TACTGGCCTT TGGGCCGCTG GCCGGCATAT TCGCAGCAGG TAATCGCGCC ATGCTCAAGC   900
CGTCCGAGCT TACCCCGCGG ACTTCTGCCC TGCTTGCGGA GCTAATTGCT CGTTACTTCG   960
ATGAAACTGA GCTGACTACA GTGCTGGGCG ACGCTGAAGT CGGTGCGCTG TTCAGTGCTC  1020
AGCCTTTCGA TCATCTGATC TTCACCGGCG GCACTGCCGT GGCCAAGCAC ATCATGCGTG  1080
CCGCGGCGGA TAACCTAGTG CCCGTTACCC TGGAATTGGG TGGCAAATCG CCGGTGATCG  1140
TTTCCCGCAG TGCAGATATG GCGGACGTTG CACAACGGGT GTTGACGGTG AAAACCTTCA  1200
ATGCCGGGCA AATCTGTCTG GCACCGGACT ATGTGCTGGG GGAGAGGCGG TTTGCGTATT  1260
GGGCGCATGC ATAAAAACTG TTGTAATTCA TTAAGCATTC TGCCGACATG GAAGCCATCA  1320
CAAACGGCAT GATGAACCTG AATCGCCAGC GGCATCAGCA CCTTGTCGCC TTGCGTATAA  1380
TATTTGCCCA TGGACGCACA CCGTGGAAAC GGATGAAGGC ACGAACCCAG TTGACATAAG  1440
CCTGTTCGGT TCGTAAACTG TAATGCAAGT AGCGTATGCG CTCACGCAAC TGGTCCAGAA  1500
CCTTGACCGA ACGCAGCGGT GGTAACGGCG CAGTGGCGGT TTTCATGGCT TGTTATGACT  1560
GTTTTTTTGT ACAGTCTATG CCTCGGGCAT CCAAGCAGCA AGCGCGTTAC GCCGTGGGTC  1620
GATGTTTGAT GTTATGGAGC AGCAACGATG TTACGCAGCA GCAACGATGT TACGCAGCAG  1680
GGCAGTCGCC CTAAAACAAA GTTAGGTGGC TCAAGTATGG GCATCATTCG CACATGTAGG  1740
CTCGGCCCTG ACCAAGTCAA ATCCATGCGG GCTGCTCTTG ATCTTTTCGG TCGTGAGTTC  1800
GGAGACGTAG CCACCTACTC CCAACATCAG CCGGACTCCG ATTACCTCGG GAACTTGCTC  1860
CGTAGTAAGA CATTCATCGC GCTTGCTGCC TTCGACCAAG AAGCGGTTGT TGGCGCTCTC  1920
GCGGCTTACG TTCTGCCCAG GTTTGAGCAG CCGCGTAGTG AGATCTATAT CTATGATCTC  1980
GCAGTCTCCG GCGAGCACCG GAGGCAGGGC ATTGCCACCG CGCTCATCAA TCTCCTCAAG  2040
CATGAGGCCA ACGCGCTTGG TGCTTATGTG ATCTACGTGC AAGCAGATTA CGGTGACGAT  2100
CCCGCAGTGG CTCTCTATAC AAAGTTGGGC ATACGGGAAG AAGTGATGCA CTTTGATATC  2160
```

Figure 2e

REPLACEMENT SHEET

```
GACCCAAGTA CCGCCACCTA ACAATTCGTT CAAGCCGAGA TCGGCTTCCC TGCAAAGTCC  2220
TGTGGGTGAG TCGAACTTGG CGATGCGCGC ACCCTACGGA GAAGCGATCC ACGGACTGCT  2280
CTCTGTCCTC CTTTCAACGG AGTGTTAGAA CCGTTGGTAG TGGTTTTGGA CGGGCCCAGG  2340
AGCATGCGCT TCTGGGCCCG TTTCTTGAGT ATTCATTGGA TAGTCACGCG TGGTAGCTTC  2400
GAGCCTGCAC AGCTGATGAG CACCCTGGAA GGCGCGCTGT ACGCGGACGA CTGGGTTCAT  2460
CTTCGCCATT CATGACGGAA CTCCGTTCCC CAGTACCGCG ATGACTATTT TGCCTCTTCC  2520
GATGTCCGAT TCCACGCCGC CTGACGCTAA GCGGGGGCGG GGGCGCCCGC ATCCCAGCCC  2580
AGACAGCAAC AAATGAGTAG GCTCTTGGAT GCCGCGGCGG CTGAGATTGG TAACGGCAAT  2640
TTCGTCAATG TGACGATGGA TTCGATTGCC CGTGCTGCCG GCGTCTCAAA AAAAACGCTG  2700
TACGTCTTGG TGGCGAGCAA GGAAGAACTC ATTTCCCGGT TAGTGGCTCG AGACATGTCC  2760
AACCTTGAGG AATTC                                                   2775
```

REPLACEMENT SHEET

Sequence 6

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GAATTCCGCG TATCGCCCGG TTCTATCAGC GGGCCGCTTT CGAAAGTCAT GGTGTTAGCC    60
GGTAGGGTCT TTTTCTTGGC CATGCTTGTT GCCTGAACCT TCGTTGACAT AGGGCAGAGG   120
TGCGTTTGCC GCTTCGCTTC GCGATGAACC GCATCGAGAT GCTGAGGTCA GGATTTTTCC   180
TTAACTCGCG TAAGCATTCT GTCATTTTTT TGGTGGCTTT GAACAGCCTG ATGAAAGGTG   240
GTCTCGCCCT TTGAGGCCGA TTCTTGGGCG CTTGGCGGCG TCGAAGCGAT GCTCCACTAC   300
CGATTAAGAT AATTAAAATA AGGAAACCGC ATGGTTTCTT ATGTGAATTT GTCTGGCATA   360
CTCCAGCTCA AGGGCAATTT TTGGGCTATT GGCTGAGCAG TTGCCTCTAT ATGGTTATTC   420
AGAATAACAA TTGACTCCTC AGGAGGTCAG CGATGAGCAT TCTTGGTTTG AATGGTGCCC   480
CGGTCGGAGC TGAGCAGCTG GGCTCGGCTC TTGATCGCAT GAAGAAGGCG CACCTGGAGC   540
AGGGGCCTGC AAACTTGGAG CTGCGTCTGA GTAGGCTGGA TCGTGCGATT GCAATGCTTC   600
TGGAAAATCG TGAAGCAATT GCCGACGCGG TTTCTGCTGA CTTTGGCAAT CGCAGCCGTG   660
AGCAAACACT GCTTTGCGAC ATTGCTGGCT CGGTGGCAAG CCTGAAGGAT AGCCGCGAGC   720
ACGTGGCCAA ATGGATGGAG CCCGAACATC ACAAGGCGAT GTTTCCAGGG GCGGAGGCAC   780
GCGTTGAGTT TCAGCCGCTG GGTGTCGTTG GGGTCATTAG TCCCTGGAAC TTCCCTATCG   840
TACTGGCCTT TGGGCCGCTG GCCGGCATAT TCGCAGCAGG TAATCGCGCC ATGCTCAAGC   900
CGTCCGAGCT TACCCCGCGG ACTTCTGCCC TGCTTGCGGA GCTAATTGCT CGTTACTTCG   960
ATGAAACTGA GCTGACTACA GTGCTGGGCG ACGCTGAAGT CGGTGCGCTG TTCAGTGCTC  1020
AGCCTTTCGA TCATCTGATC TTCACCGGCG GCACTGCCGT GGCCAAGCAC ATCATGCGTG  1080
CCGCGGCGGA TAACCTAGTG CCCGTTACCC TGGAATTGGG TGGCAAATCG CCGGTGATCG  1140
TTTCCCGCAG TGCAGATATG GCGGACGTTG CACAACGGGT GTTGACGGTG AAAACCTTCA  1200
ATGCCGGGCA AATCTGTCTG GCACCGTGGG TGAGTCGAAC TTGGCGATGC GCGCACCCTA  1260
CGGAGAAGCG ATCCACGGAC TGCTCTCTGT CCTCCTTTCA ACGGAGTGTT AGAACCGTTG  1320
GTAGTGGTTT TGGACGGGCC CAGGAGCATG CGCTTCTGGG CCCGTTTCTT GAGTATTCAT  1380
TGGATAGTCA CGCGTGGTAG CTTCGAGCCT GCACAGCTGA TGAGCACCCT GGAAGGCGCG  1440
CTGTACGCGG ACGACTGGGT TCATCTTCGC CATTCATGAC GGAACTCCGT TCCCCAGTAC  1500
CGCGATGACT ATTTTGCCTC TTCCGATGTC CGATTCCACG CCGCCTGACG CTAAGCGGGG  1560
GCGGGGGCGC CCGCATCCCA GCCCAGACAG CAACAAATGA GTAGGCTCTT GGATGCCGCG  1620
GCGGCTGAGA TTGGTAACGG CAATTTCGTC AATGTGACGA TGGATTCGAT TGCCCGTGCT  1680
GCCGGCGTCT CAAAAAAAAC GCTGTACGTC TTGGTGGCGA GCAAGGAAGA ACTCATTTCC  1740
CGGTTAGTGG CTCGAGACAT GTCCAACCTT GAGGAATTC                          1779
```

Figure 2f

REPLACEMENT SHEET

Sequence 7

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CTGCAGCCGA GCATCGATTG AGCACTTTAC CCAGCTGCGC TGGCTGACCA TTCAGAATGG    60
CCCGCGGCAC TATCCAATCT AAATCGATCT TCGGGCGCCG CGGGCATCAT GCCCGCGGCG   120
CTCGCCTCAT TTCAATCTCT AACTTGATAA AAACAGAGCT GTTCTCCGGT CTTGGTGGAT   180
CAAGGCCAGT CGCGGAGAGT CTCGAAGAGG AGAGTACAGT GAACGCCGAG TCCACATTGC   240
AACCGCAGGC ATCATCATGC TCTGCTCAGC CACGCTACCG CAGTGTGTCG ATTGGTCATC   300
CTCCGGTTGA GGTTACGCAA GACGCTGGAG GTATTGTCCG GATGCGTTCT CTCGAGGCGC   360
TTCTTCCCTT CCCGGGTCGA ATTCTTGAGC GTCTCGAGCA TTGGGCTAAG ACCCGTCCAG   420
AACAAACCTG CGTTGCTGCC AGGGCGGCAA ATGGGGAATG GCGTCGTATC AGCTACGCGG   480
AAATGTTCCA CAACGTCCGC GCCATCGCAC AGAGCTTGCT TCCTTACGGA CTATCGGCAG   540
AGCGTCCGCT GCTTATCGTC TCTGGAAATG ACCTGGAACA TCTTCAGCTG GCATTTGGGG   600
CTATGTATGC GGGCATTCCC TATTGCCCGG TGTCTCCTGC TTATTCACTG CTGTCGCAAG   660
ATTTGGCGAA GCTGCGTCAC ATCGTAGGTC TTCTGCAACC GGGACTGGTC TTTGCTGCCG   720
ATGCAGCACC TTTCCAGGGG ACAGCAAGCG AACCGGAATT GCCAGCTGGG GCGCCCTCTG   780
GTAAGGTTGG GAAGCCCTGC AAAGTAAACT GGATGGCTTT CTTGCCGCCA AGGATCTGAT   840
GGCGCAGGGG ATCAAGATCT GATCAAGAGA CAGGATGAGG ATCGTTTCGC ATGATTGAAC   900
AAGATGGATT GCACGCAGGT TCTCCGGCCG CTTGGGTGGA GAGGCTATTC GGCTATGACT   960
GGGCACAACA GACAATCGGC TGCTCTGATG CCGCCGTGTT CCGGCTGTCA GCGCAGGGGC  1020
GCCCGGTTCT TTTTGTCAAG ACCGACCTGT CCGGTGCCCT GAATGAACTG CAGGACGAGG  1080
CAGCGCGGCT ATCGTGGCTG GCCACGACGG GCGTTCCTTG CGCAGCTGTG CTCGACGTTG  1140
TCACTGAAGC GGGAAGGGAC TGGCTGCTAT TGGGCGAAGT GCCGGGGCAG GATCTCCTGT  1200
CATCTCACCT TGCTCCTGCC GAGAAAGTAT CCATCATGGC TGATGCAATG CGGCGGCTGC  1260
ATACGCTTGA TCCGGCTACC TGCCCATTCG ACCACCAAGC GAAACATCGC ATCGAGCGAG  1320
CACGTACTCG GATGGAAGCC GGTCTTGTCG ATCAGGATGA TCTGGACGAA GAGCATCAGG  1380
GGCTCGCGCC AGCCGAACTG TTCGCCAGGC TCAAGGCGCG CATGCCCGAC GGCGAGGATC  1440
TCGTCGTGAC CCATGGCGAT GCCTGCTTGC CGAATATCAT GGTGGAAAAT GGCCGCTTTT  1500
CTGGATTCAT CGACTGTGGC CGGCTGGGTG TGGCGGACCG CTATCAGGAC ATAGCGTTGG  1560
CTACCCGTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCGCTTC CTCGTGCTTT  1620
ACGGTATCGC CGCTCCCGAT TCGCAGCGCA TCGCCTTCTA TCGCCTTCTT GACGAGTTCT  1680
TCTGAGCGGG ACTCTGGGGT TCGAAATGAC CGACCAAGCG ACGCCCCTGT TTTGCAATGG  1740
CGGTCGGCGA AAGTTGATGC GCTGTATCGT GGTGAAGATC AATCCATGCT GCGTGACGAG  1800
GCCACACTGT GAGTTGGTCA GGGGGGGCTT ACTCGGCGTT TTCCGACACT GCGTTGGTTG  1860
CGGCAGTGCG CACCCCCTGG ATTGATTGCG GGGGTGCCCT GTCGCTGGTG TCGCCTATCG  1920
ACTTAGGGGT AAAGGTCGCT CGCGAAGTTC TGATGCGTGC GTCGCTTGAA CCACAAATGG  1980
TCGATAGCGT ACTCGCAGGC TCTATGGCTC AAGCAAGCTT TGATGCTTAC CTGCTCCCGC  2040
GGCACATTGG CTTGTACAGC GGTGTTCCCA AGTCGGTTCC GGCCTTGGGG GTGCAGCGCA  2100
TTTGCGGCAC AGGCTTCGAA CTGCTTCGGC AGGCCGGCGA GCAGATTTCC CAAGGCGCTG  2160
ATCACGTGCT GTGTGTCGCG GGCTGCAG                                      2188
```

Figure 2g

REPLACEMENT SHEET

Sequence 8

```
CTGCAGCCGA GCATCGATTG AGCACTTTAC CCAGCTGCGC TGGCTGACCA TTCAGAATGG     60
CCCGCGGCAC TATCCAATCT AAATCGATCT TCGGGCGCCG CGGGCATCAT GCCCGCGGCG    120
CTCGCCTCAT TTCAATCTCT AACTTGATAA AAACAGAGCT GTTCTCCGGT CTTGGTGGAT    180
CAAGGCCAGT CGCGGAGAGT CTCGAAGAGG AGAGTACAGT GAACGCCGAG TCCACATTGC    240
AACCGCAGGC ATCATCATGC TCTGCTCAGC CACGCTACCG CAGTGTGTCG ATTGGTCATC    300
CTCCGGTTGA GGTTACGCAA GACGCTGGAG GTATTGTCCG GATGCGTTCT CTCGAGGCGC    360
TTCTTCCCTT CCCGGGTCGA ATTCTTGAGC GTCTCGAGCA TTGGGCTAAG ACCCGTCCAG    420
AACAAACCTG CGTTGCTGCC AGGGCGGCAA ATGGGGAATG GCGTCGTATC AGCTACGCGG    480
AAATGTTCCA CAACGTCCGC GCCATCGCAC AGAGCTTGCT TCCTTACGGA CTATCGGCAG    540
AGCGTCCGCT GCTTATCGTC TCTGGAAATG ACCTGGAACA TCTTCAGCTG GCATTTGGGG    600
CTATGTATGC GGGCATTCCC TATTGCCCGG TGTCTCCTGC TTATTCACTG CTGTCGCAAG    660
ATTTGGCGAA GCTGCGTCAC ATCGTAGGTC TTCTGCAACC GGGACTGGTC TTTGCTGCCG    720
ATGCAGCACC TTTCCAGGGG GAGAGGCGGT TTGCGTATTG GGCGCATGCA TAAAAACTGT    780
TGTAATTCAT TAAGCATTCT GCCGACATGG AAGCCATCAC AAACGGCATG ATGAACCTGA    840
ATCGCCAGCG GCATCAGCAC CTTGTCGCCT TGCGTATAAT ATTTGCCCAT GGACGCACAC    900
CGTGGAAACG GATGAAGGCA CGAACCCAGT TGACATAAGC CTGTTCGGTT CGTAAACTGT    960
AATGCAAGTA GCGTATGCGC TCACGCAACT GGTCCAGAAC CTTGACCGAA CGCAGCGGTG   1020
GTAACGGCGC AGTGGCGGTT TTCATGGCTT GTTATGACTG TTTTTTTGTA CAGTCTATGC   1080
CTCGGGCATC CAAGCAGCAA GCGCGTTACG CCGTGGGTCG ATGTTTGATG TTATGGAGCA   1140
GCAACGATGT TACGCAGCAG CAACGATGTT ACGCAGCAGG GCAGTCGCCC TAAAACAAAG   1200
TTAGGTGGCT CAAGTATGGG CATCATTCGC ACATGTAGGC TCGGCCCTGA CCAAGTCAAA   1260
TCCATGCGGG CTGCTCTTGA TCTTTTCGGT CGTGAGTTCG GAGACGTAGC CACCTACTCC   1320
CAACATCAGC CGGACTCCGA TTACCTCGGG AACTTGCTCC GTAGTAAGAC ATTCATCGCG   1380
CTTGCTGCCT TCGACCAAGA AGCGGTTGTT GGCGCTCTCG CGGCTTACGT TCTGCCCAGG   1440
TTTGAGCAGC CGCGTAGTGA GATCTATATC TATGATCTCG CAGTCTCCGG CGAGCACCGG   1500
AGGCAGGGCA TTGCCACCGC GCTCATCAAT CTCCTCAAGC ATGAGGCCAA CGCGCTTGGT   1560
GCTTATGTGA TCTACGTGCA AGCAGATTAC GGTGACGATC CCGCAGTGGC TCTCTATACA   1620
AAGTTGGGCA TACGGGAAGA AGTGATGCAC TTTGATATCG ACCCAAGTAC CGCCACCTAA   1680
CAATTCGTTC AAGCCGAGAT CGGCTTCCCC TGTTTTGCAA TGGCGGTCGG CGAAAGTTGA   1740
TGCGCTGTAT CGTGGTGAAG ATCAATCCAT GCTGCGTGAC GAGGCCACAC TGTGAGTTGG   1800
TCAGGGGGGG CTTACTCGGC GTTTTCCGAC ACTGCGTTGG TTGCGGCAGT GCGCACCCCC   1860
TGGATTGATT GCGGGGGTGC CCTGTCGCTG GTGTCGCCTA TCGACTTAGG GGTAAAGGTC   1920
GCTCGCGAAG TTCTGATGCG TGCGTCGCTT GAACCACAAA TGGTCGATAG CGTACTCGCA   1980
GGCTCTATGG CTCAAGCAAG CTTTGATGCT TACCTGCTCC CGCGGCACAT TGGCTTGTAC   2040
AGCGGTGTTC CCAAGTCGGT TCCGGCCTTG GGGGTGCAGC GCATTTGCGG CACAGGCTTC   2100
GAACTGCTTC GGCAGGCCGG CGAGCAGATT TCCCAAGGCG CTGATCACGT GCTGTGTGTC   2160
GCGGGCTGCA G                                                        2171
```

Figure 2h

REPLACEMENT SHEET

Sequence 9

```
CTGCAGCCGA GCATCGATTG AGCACTTTAC CCAGCTGCGC TGGCTGACCA TTCAGAATGG    60
CCCGCGGCAC TATCCAATCT AAATCGATCT TCGGGCGCCG CGGGCATCAT GCCCGCGGCG   120
CTCGCCTCAT TTCAATCTCT AACTTGATAA AAACAGAGCT GTTCTCCGGT CTTGGTGGAT   180
CAAGGCCAGT CGCGGAGAGT CTCGAAGAGG AGAGTACAGT GAACGCCGAG TCCACATTGC   240
AACCGCAGGC ATCATCATGC TCTGCTCAGC CACGCTACCG CAGTGTGTCG ATTGGTCATC   300
CTCCGGTTGA GGTTACGCAA GACGCTGGAG GTATTGTCCG GATGCGTTCT CTCGAGGCGC   360
TTCTTCCCTT CCCGGGTCGA ATTCTTGAGC GTCTCGAGCA TTGGGCTAAG ACCCGTCCAG   420
AACAAACCTG CGTTGCTGCC AGGGCGGCAA ATGGGGAATG GCGTCGTATC AGCTACGCGG   480
AAATGTTCCA CAACGTCCGC GCCATCGCAC AGAGCTTGCT TCCTTACGGA CTATCGGCAG   540
AGCGTCCGCT GCTTATCGTC TCTGGAAATG ACCTGGAACA TCTTCAGCTG GCATTTGGGG   600
CTATGTATGC GGGCATTCCC TATTGCCCGG TGTCTCCTGC TTATTCACTG CTGTCGCAAG   660
ATTTGGCGAA GCTGCGTCAC ATCGTAGGTC TTCTGCAACC GGGACTGGTC TTTGCTGCCG   720
ATGCAGCACC TTTCCAGCGC GCTGTTTTGC AATGGCGGTC GGCGAAAGTT GATGCGCTGT   780
ATCGTGGTGA AGATCAATCC ATGCTGCGTG ACGAGGCCAC ACTGTGAGTT GGTCAGGGGG   840
GGCTTACTCG GCGTTTTCCG ACACTGCGTT GGTTGCGGCA GTGCGCACCC CCTGGATTGA   900
TTGCGGGGGT GCCCTGTCGC TGGTGTCGCC TATCGACTTA GGGGTAAAGG TCGCTCGCGA   960
AGTTCTGATG CGTGCGTCGC TTGAACCACA AATGGTCGAT AGCGTACTCG CAGGCTCTAT  1020
GGCTCAAGCA AGCTTTGATG CTTACCTGCT CCCGCGGCAC ATTGGCTTGT ACAGCGGTGT  1080
TCCCAAGTCG GTTCCGGCCT TGGGGGTGCA GCGCATTTGC GGCACAGGCT TCGAACTGCT  1140
TCGGCAGGCC GGCGAGCAGA TTTCCCAAGG CGCTGATCAC GTGCTGTGTG TCGCGGGCTG  1200
CAG                                                                1203
```

Figure 2i

REPLACEMENT SHEET

Sequence 10

```
GAATTCCCCT GGCGACGAAA GGGCGGCAGG CCGCATGGCC ACGGCTGGGC GGTAACTGAT     60
GCTTGCGTTA ATCGTTAACC GTTTGAAATT CCTTGCCAAA TTTCGGCGAG AGAATCATGC    120
GGGTACGCCT TTCCGTGCGC TTTGATCTGC GCTTCCGTGC CTTGAATCAG AAAAATAGTT    180
AATTGACAGA ACTATAGGTT CGCAGTAGCT TTTGCTCACC CACCAAATCC ACAGCACTGG    240
GGTGCACGAT GAATAGCTAC GATGGCCGTT GGTCTACCGT TGATGTGAAG GTTGAAGAAG    300
GTATCGCTTG GGTCACGCTG AACCGCCCGG AGAAGCGCAA CGCAATGAGC CCAACTCTCA    360
ATCGAGAGAT GGTCGAGGTT CTGGAGGTGC TGGAGCAGGA CGCAGATGCT CGCGTGCTTG    420
TTCTGACTGG TGCAGGCGAA TCCTGGACCG CGGGCATGGA CCTGAAGGAG TATTTCCGCG    480
AGACCGATGC TGGCCCCGAA ATTCTGCAAG AGAAGATTCG TCGGGGACAG CAAGCGAACC    540
GGAATTGCCA GCTGGGGCGC CCTCTGGTAA GGTTGGGAAG CCCTGCAAAG TAAACTGGAT    600
GGCTTTCTTG CCGCCAAGGA TCTGATGGCG CAGGGGATCA AGATCTGATC AAGAGACAGG    660
ATGAGGATCG TTTCGCATGA TTGAACAAGA TGGATTGCAC GCAGGTTCTC CGGCCGCTTG    720
GGTGGAGAGG CTATTCGGCT ATGACTGGGC ACAACAGACA ATCGGCTGCT CTGATGCCGC    780
CGTGTTCCGG CTGTCAGCGC AGGGGCGCCC GGTTCTTTTT GTCAAGACCG ACCTGTCCGG    840
TGCCCTGAAT GAACTGCAGG ACGAGGCAGC GCGGCTATCG TGGCTGGCCA CGACGGGCGT    900
TCCTTGCGCA GCTGTGCTCG ACGTTGTCAC TGAAGCGGGA AGGGACTGGC TGCTATTGGG    960
CGAAGTGCCG GGGCAGGATC TCCTGTCATC TCACCTTGCT CCTGCCGAGA AAGTATCCAT   1020
CATGGCTGAT GCAATGCGGC GGCTGCATAC GCTTGATCCG GCTACCTGCC CATTCGACCA   1080
CCAAGCGAAA CATCGCATCG AGCGAGCACG TACTCGGATG GAAGCCGGTC TTGTCGATCA   1140
GGATGATCTG GACGAAGAGC ATCAGGGGCT CGCGCCAGCC GAACTGTTCG CCAGGCTCAA   1200
GGCGCGCATG CCCGACGGCG AGGATCTCGT CGTGACCCAT GGCGATGCCT GCTTGCCGAA   1260
TATCATGGTG GAAAATGGCC GCTTTTCTGG ATTCATCGAC TGTGGCCGGC TGGGTGTGGC   1320
GGACCGCTAT CAGGACATAG CGTTGGCTAC CCGTGATATT GCTGAAGAGC TTGGCGGCGA   1380
ATGGGCTGAC CGCTTCCTCG TGCTTTACGG TATCGCCGCT CCCGATTCGC AGCGCATCGC   1440
CTTCTATCGC CTTCTTGACG AGTTCTTCTG AGCGGGACTC TGGGGTTCGA AATGACCGAC   1500
CAAGCGACGC CCCGAGCAGG GCATGAAGCA GTTCCTTGAC GAGAAAAGCA TCAAGCCGGG   1560
CTTGCAGACC TACAAGCGCT GATAAATGCG CCGGGGCCCT CGCTGCGCCC CCGGCCTTCC   1620
AATAATGACA ATAATGAGGA GTGCCCAATG TTTCACGTGC CCCTGCTTAT TGGTGGTAAG   1680
CCTTGTTCAG CATCTGATGA GCGCACCTTC GAGCGTCGTA GCCCGCTGAC CGGAGAAGTG   1740
GTATCGCGCG TCGCTGCTGC CAGTTTGGAA GATGCGGACG CCGCAGTGGC CGCTGCACAG   1800
GCTGCGTTTC CTGAATGGGC GGCGCTTGCT CCGAGCGAAC GCCGTGCCCG ACTGCTGCGA   1860
GCGGCGGATC TTCTAGAGGA CCGTTCTTCC GAGTTCACCG CCGCAGCGAG TGAAACTGGC   1920
GCAGCGGGAA ACTGGTATGG GTTTAACGTT TACCTGGCGG CGGGCATGTT GCGGGGAATT   1980
C                                                                    1981
```

Figure 2j

REPLACEMENT SHEET

Sequence 11

```
GAATTCCCCT GGCGACGAAA GGGCGGCAGG CCGCATGGCC ACGGCTGGGC GGTAACTGAT     60
GCTTGCGTTA ATCGTTAACC GTTTGAAATT CCTTGCCAAA TTTCGGCGAG AGAATCATGC    120
GGGTACGCCT TTCCGTGCGC TTTGATCTGC GCTTCCGTGC CTTGAATCAG AAAAATAGTT    180
AATTGACAGA ACTATAGGTT CGCAGTAGCT TTTGCTCACC CACCAAATCC ACAGCACTGG    240
GGTGCACGAT GAATAGCTAC GATGGCCGTT GGTCTACCGT TGATGTGAAG GTTGAAGAAG    300
GTATCGCTTG GGTCACGCTG AACCGCCCGG AGAAGCGCAA CGCAATGAGC CCAACTCTCA    360
ATCGAGAGAT GGTCGAGGTT CTGGAGGTGC TGGAGCAGGA CGCAGATGCT CGCGTGCTTG    420
TTCTGACTGG TGCAGGCGAA TCCTGGACCG CGGGCATGGA CCTGAAGGAG TATTTCCGCG    480
AGACCGATGC TGGCCCCGAA ATTCTGCAAG AGAAGATTCG TCGGGGGAGA GGCGGTTTGC    540
GTATTGGGCG CATGCATAAA AACTGTTGTA ATTCATTAAG CATTCTGCCG ACATGGAAGC    600
CATCACAAAC GGCATGATGA ACCTGAATCG CCAGCGGCAT CAGCACCTTG TCGCCTTGCG    660
TATAATATTT GCCCATGGAC GCACACCGTG GAAACGGATG AAGGCACGAA CCCAGTTGAC    720
ATAAGCCTGT TCGGTTCGTA AACTGTAATG CAAGTAGCGT ATGCGCTCAC GCAACTGGTC    780
CAGAACCTTG ACCGAACGCA GCGGTGGTAA CGGCGCAGTG GCGGTTTTCA TGGCTTGTTA    840
TGACTGTTTT TTTGTACAGT CTATGCCTCG GGCATCCAAG CAGCAAGCGC GTTACGCCGT    900
GGGTCGATGT TTGATGTTAT GGAGCAGCAA CGATGTTACG CAGCAGCAAC GATGTTACGC    960
AGCAGGGCAG TCGCCCTAAA ACAAAGTTAG GTGGCTCAAG TATGGGCATC ATTCGCACAT   1020
GTAGGCTCGG CCCTGACCAA GTCAAATCCA TGCGGGCTGC TCTTGATCTT TTCGGTCGTG   1080
AGTTCGGAGA CGTAGCCACC TACTCCCAAC ATCAGCCGGA CTCCGATTAC CTCGGGAACT   1140
TGCTCCGTAG TAAGACATTC ATCGCGCTTG CTGCCTTCGA CCAAGAAGCG GTTGTTGGCG   1200
CTCTCGCGGC TTACGTTCTG CCCAGGTTTG AGCAGCCGCG TAGTGAGATC TATATCTATG   1260
ATCTCGCAGT CTCCGGCGAG CACCGGAGGC AGGGCATTGC CACCGCGCTC ATCAATCTCC   1320
TCAAGCATGA GGCCAACGCG CTTGGTGCTT ATGTGATCTA CGTGCAAGCA GATTACGGTG   1380
ACGATCCCGC AGTGGCTCTC TATACAAAGT TGGGCATACG GGAAGAAGTG ATGCACTTTG   1440
ATATCGACCC AAGTACCGCC ACCTAACAAT TCGTTCAAGC CGAGATCGGC TTCCCCGAGC   1500
AGGGCATGAA GCAGTTCCTT GACGAGAAAA GCATCAAGCC GGGCTTGCAG ACCTACAAGC   1560
GCTGATAAAT GCGCCGGGGC CCTCGCTGCG CCCCCGGCCT TCCAATAATG ACAATAATGA   1620
GGAGTGCCCA ATGTTTCACG TGCCCCTGCT TATTGGTGGT AAGCCTTGTT CAGCATCTGA   1680
TGAGCGCACC TTCGAGCGTC GTAGCCCGCT GACCGGAGAA GTGGTATCGC GCGTCGCTGC   1740
TGCCAGTTTG GAAGATGCGG ACGCCGCAGT GGCCGCTGCA CAGGCTGCGT TTCCTGAATG   1800
GGCGGCGCTT GCTCCGAGCG AACGCCGTGC CCGACTGCTG CGAGCGGCGG ATCTTCTAGA   1860
GGACCGTTCT TCCGAGTTCA CCGCCGCAGC GAGTGAAACT GGCGCAGCGG GAAACTGGTA   1920
TGGGTTTAAC GTTTACCTGG CGGCGGGCAT GTTGCGGGGA ATTC                     1964
```

Figure 2k

REPLACEMENT SHEET

Sequence 12

```
GAATTCCCCT GGCGACGAAA GGGCGGCAGG CCGCATGGCC ACGGCTGGGC GGTAACTGAT    60
GCTTGCGTTA ATCGTTAACC GTTTGAAATT CCTTGCCAAA TTTCGGCGAG AGAATCATGC   120
GGGTACGCCT TTCCGTGCGC TTTGATCTGC GCTTCCGTGC CTTGAATCAG AAAAATAGTT   180
AATTGACAGA ACTATAGGTT CGCAGTAGCT TTTGCTCACC CACCAAATCC ACAGCACTGG   240
GGTGCACGAT GAATAGCTAC GATGGCCGTT GGTCTACCGT TGATGTGAAG GTTGAAGAAG   300
GTATCGCTTG GGTCACGCTG AACCGCCCGG AGAAGCGCAA CGCAATGAGC CCAACTCTCA   360
ATCGAGAGAT GGTCGAGGTT CTGGAGGTGC TGGAGCAGGA CGCAGATGCT CGCGTGCTTG   420
TTCTGACTGG TGCAGGCGAA TCCTGGACCG CGGGCATGGA CCTGAAGGAG TATTTCCGCG   480
AGACCGATGC TGGCCCCGAA ATTCTGCAAG AGAAGATTCG TCGCGAGCAG GGCATGAAGC   540
AGTTCCTTGA CGAGAAAAGC ATCAAGCCGG GCTTGCAGAC CTACAAGCGC TGATAAATGC   600
GCCGGGGCCC TCGCTGCGCC CCCGGCCTTC CAATAATGAC AATAATGAGG AGTGCCCAAT   660
GTTTCACGTG CCCCTGCTTA TTGGTGGTAA GCCTTGTTCA GCATCTGATG AGCGCACCTT   720
CGAGCGTCGT AGCCCGCTGA CCGGAGAAGT GGTATCGCGC GTCGCTGCTG CCAGTTTGGA   780
AGATGCGGAC GCCGCAGTGG CCGCTGCACA GGCTGCGTTT CCTGAATGGG CGGCGCTTGC   840
TCCGAGCGAA CGCCGTGCCC GACTGCTGCG AGCGGCGGAT CTTCTAGAGG ACCGTTCTTC   900
CGAGTTCACC GCCGCAGCGA GTGAAACTGG CGCAGCGGGA AACTGGTATG GGTTTAACGT   960
TTACCTGGCG GCGGGCATGT TGCGGGGAAT TC                                  992
```

Figure 2l

REPLACEMENT SHEET

Sequence 13

```
GAATTCCAAT AATGACAATA ATGAGGAGTG CCCAATGTTT CACGTGCCCC TGCTTATTGG    60
TGGTAAGCCT TGTTCAGCAT CTGATGAGCG CACCTTCGAG CGTCGTAGCC CGCTGACCGG   120
AGAAGTGGTA TCGCGCGTCG CTGCTGCCAG TTTGGAAGAT GCGGACGCCG CAGTGGCCGC   180
TGCACAGGCT GCGTTTCCTG AATGGGCGGC GCTTGCTCCG AGCGAACGCC GTGCCCGACT   240
GCTGCGAGCG GCGGATCTTC TAGAGGACCG TTCTTCCGAG TTCACCGCCG CAGCGAGTGA   300
AACTGGCGCA GCGGGAAACT GGTATGGGTT TAACGTTTAC CTGGCGGCGG GCATGTTGCG   360
GGAAGCCGCG GCCATGACCA CACAGATTCA GGGCGATGTC ATTCCGTCCA ATGTGCCCGG   420
TAGCTTTGCC ATGGCGGTTC GACAGCCATG TGGCGTGGTG CTCGGTATTG CGCCTTGGAA   480
TGCTCCGGTA ATCCTTGGCG TACGGGCTGT TGCGATGCCG TTGGCATGCG GCAATACCGT   540
GGTGTTGAAA AGCTCTGAGC TGAGTCCCTT TACCCATCGC CTGATTGGTC AGGTGTTGCA   600
TGATGCTGGT CTGGGGGATG GCGTGGTGAA TGTCATCAGC AATGCCCCGC AAGACGCTCC   660
TGCGGTGGTG GAGCGACTGA TTGCAAATCC TGCGGTACGT CGAGTGAACT TCACCGGTTC   720
GACCCACGTT GGACGGATCA TTGGTGAGCT GTCTGCGCGT CATCTGAAGC CTGCTGTGCT   780
GGAATTAGGT GGTAAGGCTC CGTTCTTGGT CTTGGACGAT GCCGACCTCG ATGCGGCGGT   840
CGAAGCGGCG GCCTTTGGTG CCTACTTCAA TCAGGGTCAA ATCTGCATGT CCACTGAGCG   900
TCTGATTGTG ACAGCAGTCG CAGACGCCTT TGTTGAAAAG CTGGCGAGGA AGGTCGCCAC   960
ACTGCGTGCT GGCGATCCTA ATGATCCGCA ATCGGTCTTG GGTTCGTTGA TTGATGCCAA  1020
TGCAGGTCAA CGCATCCAGG TTCTGGTCGA TGATGCGCTC GGGGACAGCA AGCGAACCGG  1080
AATTGCCAGC TGGGGCGCCC TCTGGTAAGG TTGGGAAGCC CTGCAAAGTA AACTGGATGG  1140
CTTTCTTGCC GCCAAGGATC TGATGGCGCA GGGGATCAAG ATCTGATCAA GAGACAGGAT  1200
GAGGATCGTT TCGCATGATT GAACAAGATG GATTGCACGC AGGTTCTCCG GCCGCTTGGG  1260
TGGAGAGGCT ATTCGGCTAT GACTGGGCAC AACAGACAAT CGGCTGCTCT GATGCCGCCG  1320
TGTTCCGGCT GTCAGCGCAG GGGCGCCCGG TTCTTTTTGT CAAGACCGAC CTGTCCGGTG  1380
CCCTGAATGA ACTGCAGGAC GAGGCAGCGC GGCTATCGTG GCTGGCCACG ACGGGCGTTC  1440
CTTGCGCAGC TGTGCTCGAC GTTGTCACTG AAGCGGGAAG GGACTGGCTG CTATTGGGCG  1500
AAGTGCCGGG GCAGGATCTC CTGTCATCTC ACCTTGCTCC TGCCGAGAAA GTATCCATCA  1560
TGGCTGATGC AATGCGGCGG CTGCATACGC TTGATCCGGC TACCTGCCCA TTCGACCACC  1620
AAGCGAAACA TCGCATCGAG CGAGCACGTA CTCGGATGGA AGCCGGTCTT GTCGATCAGG  1680
ATGATCTGGA CGAAGAGCAT CAGGGGCTCG CGCCAGCCGA ACTGTTCGCC AGGCTCAAGG  1740
CGCGCATGCC CGACGGCGAG GATCTCGTCG TGACCCATGG CGATGCCTGC TTGCCGAATA  1800
TCATGGTGGA AAATGGCCGC TTTTCTGGAT TCATCGACTG TGGCCGGCTG GGTGTGGCGG  1860
ACCGCTATCA GGACATAGCG TTGGCTACCC GTGATATTGC TGAAGAGCTT GGCGGCGAAT  1920
GGGCTGACCG CTTCCTCGTG CTTTACGGTA TCGCCGCTCC CGATTCGCAG CGCATCGCCT  1980
TCTATCGCCT TCTTGACGAG TTCTTCTGAG CGGGACTCTG GGGTTCGAAA TGACCGACCA  2040
AGCGACGCCC GGCCCAGCGC GTCGATTCGG GCATTTGCCA TATCAATGGA CCGACTGTGC  2100
ATGACGAGGC TCAGATGCCA TTCGGTGGGG TGAAGTCCAG CGGCTACGGC AGCTTCGGCA  2160
```

Figure 2m

REPLACEMENT SHEET

```
GTCGAGCATC GATTGAGCAC TTTACCCAGC TGCGCTGGCT GACCATTCAG AATGGCCCGC  2220
GGCACTATCC AATCTAAATC GATCTTCGGG CGCCGCGGGC ATCATGCCCG CGGCGCTCGC  2280
CTCATTTCAA TCTCTAACTT GATAAAAACA GAGCTGTTCT CCGGTCTTGG TGGATCAAGG  2340
CCAGTCGCGG AGAGTCTCGA AGAGGAGAGT ACAGTGAACG CCGAGTCCAC ATTGCAACCG  2400
CAGGCATCAT CATGCTCTGC TCAGCCACGC TACCGCAGTG TGTCGATTGG TCATCCTCCG  2460
GTTGAGGTTA CGCAAGACGC TGGAGGTATT GTCCGGATGC GTTCTCTCGA GGCGCTTCTT  2520
CCCTTCCCGG GTGGAATTC                                               2539
```

REPLACEMENT SHEET

Sequence 14

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GAATTCCAAT AATGACAATA ATGAGGAGTG CCCAATGTTT CACGTGCCCC TGCTTATTGG    60
TGGTAAGCCT TGTTCAGCAT CTGATGAGCG CACCTTCGAG CGTCGTAGCC CGCTGACCGG   120
AGAAGTGGTA TCGCGCGTCG CTGCTGCCAG TTTGGAAGAT GCGGACGCCG CAGTGGCCGC   180
TGCACAGGCT GCGTTTCCTG AATGGGCGGC GCTTGCTCCG AGCGAACGCC GTGCCCGACT   240
GCTGCGAGCG GCGGATCTTC TAGAGGACCG TTCTTCCGAG TTCACCGCCG CAGCGAGTGA   300
AACTGGCGCA GCGGGAAACT GGTATGGGTT TAACGTTTAC CTGGCGGCGG GCATGTTGCG   360
GGAAGCCGCG GCCATGACCA CACAGATTCA GGGCGATGTC ATTCCGTCCA ATGTGCCCGG   420
TAGCTTTGCC ATGGCGGTTC GACAGCCATG TGGCGTGGTG CTCGGTATTG CGCCTTGGAA   480
TGCTCCGGTA ATCCTTGGCG TACGGGCTGT TGCGATGCCG TTGGCATGCG GCAATACCGT   540
GGTGTTGAAA AGCTCTGAGC TGAGTCCCTT TACCCATCGC CTGATTGGTC AGGTGTTGCA   600
TGATGCTGGT CTGGGGGATG GCGTGGTGAA TGTCATCAGC AATGCCCCGC AAGACGCTCC   660
TGCGGTGGTG GAGCGACTGA TTGCAAATCC TGCGGTACGT CGAGTGAACT TCACCGGTTC   720
GACCCACGTT GGACGGATCA TTGGTGAGCT GTCTGCGCGT CATCTGAAGC CTGCTGTGCT   780
GGAATTAGGT GGTAAGGCTC CGTTCTTGGT CTTGGACGAT GCCGACCTCG ATGCGGCGGT   840
CGAAGCGGCG GCCTTTGGTG CCTACTTCAA TCAGGGTCAA ATCTGCATGT CCACTGAGCG   900
TCTGATTGTG ACAGCAGTCG CAGACGCCTT TGTTGAAAAG CTGGCGAGGA AGGTCGCCAC   960
ACTGCGTGCT GGCGATCCTA ATGATCCGCA ATCGGTCTTG GGTTCGTTGA TTGATGCCAA  1020
TGCAGGTCAA CGCATCCAGG TGGGGAGAGG CGGTTTGCGT ATTGGGCGCA TGCATAAAAA  1080
CTGTTGTAAT TCATTAAGCA TTCTGCCGAC ATGGAAGCCA TCACAAACGG CATGATGAAC  1140
CTGAATCGCC AGCGGCATCA GCACCTTGTC GCCTTGCGTA TAATATTTGC CCATGGACGC  1200
ACACCGTGGA AACGGATGAA GGCACGAACC CAGTTGACAT AAGCCTGTTC GGTTCGTAAA  1260
CTGTAATGCA AGTAGCGTAT GCGCTCACGC AACTGGTCCA GAACCTTGAC CGAACGCAGC  1320
GGTGGTAACG GCGCAGTGGC GGTTTTCATG GCTTGTTATG ACTGTTTTTT TGTACAGTCT  1380
ATGCCTCGGG CATCCAAGCA GCAAGCGCGT TACGCCGTGG GTCGATGTTT GATGTTATGG  1440
AGCAGCAACG ATGTTACGCA GCAGCAACGA TGTTACGCAG CAGGGCAGTC GCCCTAAAAC  1500
AAAGTTAGGT GGCTCAAGTA TGGGCATCAT TCGCACATGT AGGCTCGGCC CTGACCAAGT  1560
CAAATCCATG CGGGCTGCTC TTGATCTTTT CGGTCGTGAG TTCGGAGACG TAGCCACCTA  1620
CTCCCAACAT CAGCCGGACT CCGATTACCT CGGGAACTTG CTCCGTAGTA AGACATTCAT  1680
CGCGCTTGCT GCCTTCGACC AAGAAGCGGT TGTTGGCGCT CTCGCGGCTT ACGTTCTGCC  1740
CAGGTTTGAG CAGCCGCGTA GTGAGATCTA TATCTATGAT CTCGCAGTCT CCGGCGAGCA  1800
CCGGAGGCAG GGCATTGCCA CCGCGCTCAT CAATCTCCTC AAGCATGAGG CCAACGCGCT  1860
TGGTGCTTAT GTGATCTACG TGCAAGCAGA TTACGGTGAC GATCCCGCAG TGGCTCTCTA  1920
TACAAAGTTG GGCATACGGG AAGAAGTGAT GCACTTTGAT ATCGACCCAA GTACCGCCAC  1980
CTAACAATTC GTTCAAGCCG AGATCGGCTT CCCAATTGGC CCAGCGCGTC GATTCGGGCA  2040
TTTGCCATAT CAATGGACCG ACTGTGCATG ACGAGGCTCA GATGCCATTC GGTGGGGTGA  2100
AGTCCAGCGG CTACGGCAGC TTCGGCAGTC GAGCATCGAT TGAGCACTTT ACCCAGCTGC  2160
```

Figure 2n

REPLACEMENT SHEET

```
GCTGGCTGAC CATTCAGAAT GGCCCGCGGC ACTATCCAAT CTAAATCGAT CTTCGGGCGC  2220
CGCGGGCATC ATGCCCGCGG CGCTCGCCTC ATTTCAATCT CTAACTTGAT AAAAACAGAG  2280
CTGTTCTCCG GTCTTGGTGG ATCAAGGCCA GTCGCGGAGA GTCTCGAAGA GGAGAGTACA  2340
GTGAACGCCG AGTCCACATT GCAACCGCAG GCATCATCAT GCTCTGCTCA GCCACGCTAC  2400
CGCAGTGTGT CGATTGGTCA TCCTCCGGTT GAGGTTACGC AAGACGCTGG AGGTATTGTC  2460
CGGATGCGTT CTCTCGAGGC GCTTCTTCCC TTCCCGGGTG GAATTC                  2506
```

REPLACEMENT SHEET

Sequence 15

```
GAATTCCAAT AATGACAATA ATGAGGAGTG CCCAATGTTT CACGTGCCCC TGCTTATTGG     60
TGGTAAGCCT TGTTCAGCAT CTGATGAGCG CACCTTCGAG CGTCGTAGCC CGCTGACCGG    120
AGAAGTGGTA TCGCGCGTCG CTGCTGCCAG TTTGGAAGAT GCGGACGCCG CAGTGGCCGC    180
TGCACAGGCT GCGTTTCCTG AATGGGCGGC GCTTGCTCCG AGCGAACGCC GTGCCCGACT    240
GCTGCGAGCG GCGGATCTTC TAGAGGACCG TTCTTCCGAG TTCACCGCCG CAGCGAGTGA    300
AACTGGCGCA GCGGGAAACT GGTATGGGTT TAACGTTTAC CTGGCGGCGG GCATGTTGCG    360
GGAAGCCGCG GCCATGACCA CACAGATTCA GGGCGATGTC ATTCCGTCCA ATGTGCCCGG    420
TAGCTTTGCC ATGGCGGTTC GACAGCCATG TGGCGTGGTG CTCGGTATTG CGCCTTGGAA    480
TGCTCCGGTA ATCCTTGGCG TACGGGCTGT TGCGATGCCG TTGGCATGCG GCAATACCGT    540
GGTGTTGAAA AGCTCTGAGC TGAGTCCCTT TACCCATCGC CTGATTGGTC AGGTGTTGCA    600
TGATGCTGGT CTGGGGGATG GCGTGGTGAA TGTCATCAGC AATGCCCCGC AAGACGCTCC    660
TGCGGTGGTG GAGCGACTGA TTGCAAATCC TGCGGTACGT CGAGTGAACT TCACCGGTTC    720
GACCCACGTT GGACGGATCA TTGGTGAGCT GTCTGCGCGT CATCTGAAGC CTGCTGTGCT    780
GGAATTAGGT GGTAAGGCTC CGTTCTTGGT CTTGGACGAT GCCGACCTCG ATGCGGCGGT    840
CGAAGCGGCG GCCTTTGGTG CCTACTTCAA TCAGGGTCAA ATCTGCATGT CCACTGAGCG    900
TCTGATTGTG ACAGCAGTCG CAGACGCCTT TGTTGAAAAG CTGGCGAGGA AGGTCGCCAC    960
ACTGCGTGCT GGCGATCCTA ATGATCCGCA ATCGGTCTTG GGTTCGTTGA TTGATGCCAA   1020
TGCAGGTCAA CGCATCCAGG TTCTGGTCGA TGATGCGCTC GCAAAAGGCG CGCAATGGAA   1080
TTGGCCCAGC GCGTCGATTC GGGCATTTGC CATATCAATG GACCGACTGT GCATGACGAG   1140
GCTCAGATGC CATTCGGTGG GGTGAAGTCC AGCGGCTACG GCAGCTTCGG CAGTCGAGCA   1200
TCGATTGAGC ACTTTACCCA GCTGCGCTGG CTGACCATTC AGAATGGCCC GCGGCACTAT   1260
CCAATCTAAA TCGATCTTCG GGCGCCGCGG GCATCATGCC CGCGGCGCTC GCCTCATTTC   1320
AATCTCTAAC TTGATAAAAA CAGAGCTGTT CTCCGGTCTT GGTGGATCAA GGCCAGTCGC   1380
GGAGAGTCTC GAAGAGGAGA GTACAGTGAA CGCCGAGTCC ACATTGCAAC CGCAGGCATC   1440
ATCATGCTCT GCTCAGCCAC GCTACCGCAG TGTGTCGATT GGTCATCCTC CGGTTGAGGT   1500
TACGCAAGAC GCTGGAGGTA TTGTCCGGAT GCGTTCTCTC GAGGCGCTTC TTCCCTTCCC   1560
GGGTGGAATT C                                                        1571
```

Figure 2o

REPLACEMENT SHEET

Sequence 16

```
GAATTCCGCG GTCGGCGAAA GTTGATGCGC TGTATCGTGG TGAAGATCAA TCCATGCTGC    60
GTGACGAGGC CACACTGTGA GTTGGTCAGG GGGGGCTTAC TCGGCGTTTT CCGACACTGC   120
GTTGGTTGCG GCAGTGCGCA CCCCCTGGAT TGATTGCGGG GGTGCCCTGT CGCTGGTGTC   180
GCCTATCGAC TTAGGGGTAA AGGTCGCTCG CGAAGTTCTG ATGCGTGCGT CGCTTGAACC   240
ACAAATGGTC GATAGCGTAC TCGCAGGCTC TATGGCTCAA GCAAGCTTTG ATGCTTACCT   300
GCTCCCGCGG CACATTGGCT TGTACAGCGG TGTTCCCAAG TCGGTTCCGG CCTTGGGGGT   360
GCAGCGCATT TGCGGCACAG GCTTCGAACT GCTTCGGCAG GCCGGCGAGC AGATTTCCCA   420
AGGCGCTGAT CACGTGCTGT GTGTCGCGGC AGAGTCCATG TCGCGTAACC CCATCGCGTC   480
GTATACACAC CGGGGCGGGT TCCGCCTCGG TGCGCCCGTT GAGTTCAAGG ATTTTTTGTG   540
GGAGGCATTG TTTGATCCTG CTCCAGGACT CGACATGATC GCTACCGCAG AAAACCTGGG   600
GACAGCAAGC GAACCGGAAT TGCCAGCTGG GGCGCCCTCT GGTAAGGTTG GGAAGCCCTG   660
CAAAGTAAAC TGGATGGCTT TCTTGCCGCC AAGGATCTGA TGGCGCAGGG GATCAAGATC   720
TGATCAAGAG ACAGGATGAG GATCGTTTCG CATGATTGAA CAAGATGGAT TGCACGCAGG   780
TTCTCCGGCC GCTTGGGTGG AGAGGCTATT CGGCTATGAC TGGGCACAAC AGACAATCGG   840
CTGCTCTGAT GCCGCCGTGT TCCGGCTGTC AGCGCAGGGG CGCCCGGTTC TTTTTGTCAA   900
GACCGACCTG TCCGGTGCCC TGAATGAACT GCAGGACGAG GCAGCGCGGC TATCGTGGCT   960
GGCCACGACG GGCGTTCCTT GCGCAGCTGT GCTCGACGTT GTCACTGAAG CGGGAAGGGA  1020
CTGGCTGCTA TTGGGCGAAG TGCCGGGGCA GGATCTCCTG TCATCTCACC TTGCTCCTGC  1080
CGAGAAAGTA TCCATCATGG CTGATGCAAT GCGGCGGCTG CATACGCTTG ATCCGGCTAC  1140
CTGCCCATTC GACCACCAAG CGAAACATCG CATCGAGCGA GCACGTACTC GGATGGAAGC  1200
CGGTCTTGTC GATCAGGATG ATCTGGACGA AGAGCATCAG GGGCTCGCGC CAGCCGAACT  1260
GTTCGCCAGG CTCAAGGCGC GCATGCCCGA CGGCGAGGAT CTCGTCGTGA CCCATGGCGA  1320
TGCCTGCTTG CCGAATATCA TGGTGGAAAA TGGCCGCTTT TCTGGATTCA TCGACTGTGG  1380
CCGGCTGGGT GTGGCGGACC GCTATCAGGA CATAGCGTTG GCTACCCGTG ATATTGCTGA  1440
AGAGCTTGGC GGCGAATGGG CTGACCGCTT CCTCGTGCTT TACGGTATCG CCGCTCCCGA  1500
TTCGCAGCGC ATCGCCTTCT ATCGCCTTCT TGACGAGTTC TTCTGAGCGG GACTCTGGGG  1560
TTCGAAATGA CCGACCAAGC GACGCCCATT GAGGGCGCAA GAGGAGAAAT GGATTGACCA  1620
AGAGATCGTG GCTGTTACGG ATGAACAGTT CGATTTAGAG GGCTACAACA GTCGAGCAAT  1680
TGAACTGCCT CGGAAGGCAA AATTGTTGAT CGTGACAGTC ATCCGCGGCC TAGCAGTCTT  1740
TGAAGCCCTT TCCCGATTGA AGCCTGTTCA TTCTGGCGGG GTGCAGACTG CGGGCAACAG  1800
CTGTGCCGTA GTGGACGGCG CCGCGGCGGC TTTGGTGGCT CGAGAGTCGT CTGCGACACA  1860
GCCGGTCTTG GCTAGGATAC TGGCTACCTC CGTAGTCGGG ATCGAGCCCG AGCATATGGG  1920
GCTCGGCCCT GCGCCCGCGA TTCGCCTGCT GCTTGCGCGT AGTGATCTTA GTTTGAGGGA  1980
TATCGACCTC TTTGAGATAA ACGAGGCGCA GGCCGCCCAA GTTCTAGCGG TACAGCATGA  2040
ATTGGGTATT GAGCACTCAA AACTTAATAT TTGGGGCGGG GCCATTGCAC TTGGACACCC  2100
GCTTGCCGCG ACCGGATTGC GTCTCTGCAT GACCCTCGCT CACCAATTGC AAGCTAATAA  2160
```

Figure 2p

REPLACEMENT SHEET

```
CTTTCGATAT GGAATTGCCT CGGCATGCAT TGGTGGGGGA CAGGGGATGG CGGTTCTTTT  2220
AGAGAATCCC CACTTCGGTT CGTCCTCTGC ACGAAGTTCG ATGATTAACA GAGTTGACCA  2280
CTATCCACTG AGCTAACGGG CATCTCCTTT GTTGCTTTGA GGTGGCGCAC GAAGGAGGGC  2340
TCGAAAATCT CTGCTAAAAA CAAGAAGAAG GAACAGGGAA CATGATTAGT TTCGCTCGTA  2400
TGGCAGAAAG TTTAGGAGTC CAGGCTAAAC TTGCCCTTGC CTTCGCACTC GTATTATGTG  2460
TCGGGCTGAT TGTTACCGGC ACGGGTTTCT ACAGTGTACA TACCTTGTCA GGGTTGGTGG  2520
GAATTC                                                             2526
```

REPLACEMENT SHEET

Sequence 17

```
GAATTCCGCG GTCGGCGAAA GTTGATGCGC TGTATCGTGG TGAAGATCAA TCCATGCTGC     60
GTGACGAGGC CACACTGTGA GTTGGTCAGG GGGGGCTTAC TCGGCGTTTT CCGACACTGC    120
GTTGGTTGCG GCAGTGCGCA CCCCCTGGAT TGATTGCGGG GGTGCCCTGT CGCTGGTGTC    180
GCCTATCGAC TTAGGGGTAA AGGTCGCTCG CGAAGTTCTG ATGCGTGCGT CGCTTGAACC    240
ACAAATGGTC GATAGCGTAC TCGCAGGCTC TATGGCTCAA GCAAGCTTTG ATGCTTACCT    300
GCTCCCGCGG CACATTGGCT TGTACAGCGG TGTTCCCAAG TCGGTTCCGG CCTTGGGGGT    360
GCAGCGCATT TGCGGCACAG GCTTCGAACT GCTTCGGCAG GCCGGCGAGC AGATTTCCCA    420
AGGCGCTGAT CACGTGCTGT GTGTCGCGGC AGAGTCCATG TCGCGTAACC CCATCGCGTC    480
GTATACACAC CGGGGCGGGT TCCGCCTCGG TGCGCCCGTT GAGTTCAAGG ATTTTTTGTG    540
GGAGGCATTG TTTGATCCTG CTCCAGGACT CGACATGATC GCTACCGCAG AAAACCTGGG    600
GGAGAGGCGG TTTGCGTATT GGGCGCATGC ATAAAAACTG TTGTAATTCA TTAAGCATTC    660
TGCCGACATG GAAGCCATCA CAAACGGCAT GATGAACCTG AATCGCCAGC GGCATCAGCA    720
CCTTGTCGCC TTGCGTATAA TATTTGCCCA TGGACGCACA CCGTGGAAAC GGATGAAGGC    780
ACGAACCCAG TTGACATAAG CCTGTTCGGT TCGTAAACTG TAATGCAAGT AGCGTATGCG    840
CTCACGCAAC TGGTCCAGAA CCTTGACCGA ACGCAGCGGT GGTAACGGCG CAGTGGCGGT    900
TTTCATGGCT TGTTATGACT GTTTTTTTGT ACAGTCTATG CCTCGGGCAT CCAAGCAGCA    960
AGCGCGTTAC GCCGTGGGTC GATGTTTGAT GTTATGGAGC AGCAACGATG TTACGCAGCA   1020
GCAACGATGT TACGCAGCAG GGCAGTCGCC CTAAAACAAA GTTAGGTGGC TCAAGTATGG   1080
GCATCATTCG CACATGTAGG CTCGGCCCTG ACCAAGTCAA ATCCATGCGG GCTGCTCTTG   1140
ATCTTTTCGG TCGTGAGTTC GGAGACGTAG CCACCTACTC CCAACATCAG CCGGACTCCG   1200
ATTACCTCGG GAACTTGCTC CGTAGTAAGA CATTCATCGC GCTTGCTGCC TTCGACCAAG   1260
AAGCGGTTGT TGGCGCTCTC GCGGCTTACG TTCTGCCCAG GTTTGAGCAG CCGCGTAGTG   1320
AGATCTATAT CTATGATCTC GCAGTCTCCG GCGAGCACCG GAGGCAGGGC ATTGCCACCG   1380
CGCTCATCAA TCTCCTCAAG CATGAGGCCA ACGCGCTTGG TGCTTATGTG ATCTACGTGC   1440
AAGCAGATTA CGGTGACGAT CCCGCAGTGG CTCTCTATAC AAAGTTGGGC ATACGGGAAG   1500
AAGTGATGCA CTTTGATATC GACCCAAGTA CCGCCACCTA ACAATTCGTT CAAGCCGAGA   1560
TCGGCTTCCC ATTGAGGGCG CAAGAGGAGA AATGGATTGA CCAAGAGATC GTGGCTGTTA   1620
CGGATGAACA GTTCGATTTA GAGGGCTACA ACAGTCGAGC AATTGAACTG CCTCGGAAGG   1680
CAAAATTGTT GATCGTGACA GTCATCCGCG GCCTAGCAGT CTTTGAAGCC CTTTCCCGAT   1740
TGAAGCCTGT TCATTCTGGC GGGGTGCAGA CTGCGGGCAA CAGCTGTGCC GTAGTGGACG   1800
GCGCCGCGGC GGCTTTGGTG GCTCGAGAGT CGTCTGCGAC ACAGCCGGTC TTGGCTAGGA   1860
TACTGGCTAC CTCCGTAGTC GGGATCGAGC CCGAGCATAT GGGGCTCGGC CCTGCGCCCG   1920
CGATTCGCCT GCTGCTTGCG CGTAGTGATC TTAGTTTGAG GGATATCGAC CTCTTTGAGA   1980
TAAACGAGGC GCAGGCCGCC CAAGTTCTAG CGGTACAGCA TGAATTGGGT ATTGAGCACT   2040
CAAAACTTAA TATTTGGGGC GGGGCCATTG CACTTGGACA CCCGCTTGCC GCGACCGGAT   2100
TGCGTCTCTG CATGACCCTC GCTCACCAAT TGCAAGCTAA TAACTTTCGA TATGGAATTG   2160
```

Figure 2q

REPLACEMENT SHEET

```
CCTCGGCATG CATTGGTGGG GGACAGGGGA TGGCGGTTCT TTTAGAGAAT CCCCACTTCG  2220
GTTCGTCCTC TGCACGAAGT TCGATGATTA ACAGAGTTGA CCACTATCCA CTGAGCTAAC  2280
GGGCATCTCC TTTGTTGCTT TGAGGTGGCG CACGAAGGAG GGCTCGAAAA TCTCTGCTAA  2340
AAACAAGAAG AAGGAACAGG GAACATGATT AGTTTCGCTC GTATGGCAGA AAGTTTAGGA  2400
GTCCAGGCTA AACTTGCCCT TGCCTTCGCA CTCGTATTAT GTGTCGGGCT GATTGTTACC  2460
GGCACGGGTT TCTACAGTGT ACATACCTTG TCAGGGTTGG TGGGAATTC              2509
```

REPLACEMENT SHEET

Sequence 18

```
GAATTCCGCG GTCGGCGAAA GTTGATGCGC TGTATCGTGG TGAAGATCAA TCCATGCTGC     60
GTGACGAGGC CACACTGTGA GTTGGTCAGG GGGGGCTTAC TCGGCGTTTT CCGACACTGC    120
GTTGGTTGCG GCAGTGCGCA CCCCCTGGAT TGATTGCGGG GGTGCCCTGT CGCTGGTGTC    180
GCCTATCGAC TTAGGGGTAA AGGTCGCTCG CGAAGTTCTG ATGCGTGCGT CGCTTGAACC    240
ACAAATGGTC GATAGCGTAC TCGCAGGCTC TATGGCTCAA GCAAGCTTTG ATGCTTACCT    300
GCTCCCGCGG CACATTGGCT TGTACAGCGG TGTTCCCAAG TCGGTTCCGG CCTTGGGGGT    360
GCAGCGCATT TGCGGCACAG GCTTCGAACT GCTTCGGCAG GCCGGCGAGC AGATTTCCCA    420
AGGCGCTGAT CACGTGCTGT GTGTCGCGGC AGAGTCCATG TCGCGTAACC CCATCGCGTC    480
GTATACACAC CGGGGCGGGT TCCGCCTCGG TGCGCCCGTT GAGTTCAAGG ATTTTTTGTG    540
GGAGGCATTG TTTGATCCTG CTCCAGGACT CGACATGATC GCTACCGCAG AAAACCTGGC    600
GCGCATTGAG GGCGCAAGAG GAGAAATGGA TTGACCAAGA GATCGTGGCT GTTACGGATG    660
AACAGTTCGA TTTAGAGGGC TACAACAGTC GAGCAATTGA ACTGCCTCGG AAGGCAAAAT    720
TGTTGATCGT GACAGTCATC CGCGGCCTAG CAGTCTTTGA AGCCCTTTCC CGATTGAAGC    780
CTGTTCATTC TGGCGGGGTG CAGACTGCGG GCAACAGCTG TGCCGTAGTG GACGGCGCCG    840
CGGCGGCTTT GGTGGCTCGA GAGTCGTCTG CGACACAGCC GGTCTTGGCT AGGATACTGG    900
CTACCTCCGT AGTCGGGATC GAGCCCGAGC ATATGGGGCT CGGCCCTGCG CCCGCGATTC    960
GCCTGCTGCT TGCGCGTAGT GATCTTAGTT TGAGGGATAT CGACCTCTTT GAGATAAACG   1020
AGGCGCAGGC CGCCCAAGTT CTAGCGGTAC AGCATGAATT GGGTATTGAG CACTCAAAAC   1080
TTAATATTTG GGGCGGGGCC ATTGCACTTG GACACCCGCT TGCCGCGACC GGATTGCGTC   1140
TCTGCATGAC CCTCGCTCAC CAATTGCAAG CTAATAACTT TCGATATGGA ATTGCCTCGG   1200
CATGCATTGG TGGGGGACAG GGGATGGCGG TTCTTTTAGA GAATCCCCAC TTCGGTTCGT   1260
CCTCTGCACG AAGTTCGATG ATTAACAGAG TTGACCACTA TCCACTGAGC TAACGGGCAT   1320
CTCCTTTGTT GCTTTGAGGT GGCGCACGAA GGAGGGCTCG AAAATCTCTG CTAAAAACAA   1380
GAAGAAGGAA CAGGGAACAT GATTAGTTTC GCTCGTATGG CAGAAAGTTT AGGAGTCCAG   1440
GCTAAACTTG CCCTTGCCTT CGCACTCGTA TTATGTGTCG GGCTGATTGT TACCGGCACG   1500
GGTTTCTACA GTGTACATAC CTTGTCAGGG TTGGTGGGAA TTC                      1543
```

Figure 2r